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14. (Amended) A method for powering a fiber optic communication network which transmits communication data between a telephone company central office and a user device, the method comprising:

converting digital communication data from an optical state to an electrical state using a digital subscriber line access multiplexer;

transferring the communication data between the telephone central office and the digital subscriber line access multiplexer;

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transmitting an electrical supply voltage from a power source configured to supply an electrical supply voltage to power the digital subscriber line access multiplexer, the power source having an AC power feed for providing power to the digital subscriber line access multiplexer and a DC power feed for providing power to the digital subscriber line access multiplexer when the AC power feed is not supplying power to the digital subscriber line access multiplexer to the digital subscriber line access multiplexer; and

conducting both the electrical supply voltage and the digital communication data along a single electrical conducting medium from the digital subscriber line access multiplexer to a network interface device in electrical communication with the remote user device.